

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Gymnema sylvestre*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(-)-VIBURNITOL	Leaf	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
112	ASCORBIC-ACID	Leaf	152	800	-0.3696902910647434	
0	ASH	Leaf	11400	60000	-1.0368945685574065	
53	BETA-CAROTENE	Leaf	6	30	-1.007290752841	
14	BETAINE	Leaf	--	--		Willaman, J. J., Li, H. L. 1970. Alkaloid-Bearing Plants and their Contained Alkaloids. 1957-1968. Lloydia 33S: 1-286.
28	CALCIUM	Leaf	169	890	-1.1989575366694187	
20	CHOLINE	Leaf	--	--		Willaman, J. J., Li, H. L. 1970. Alkaloid-Bearing Plants and their Contained Alkaloids. 1957-1968. Lloydia 33S: 1-286.
24	CHROMIUM	Leaf	0.9	4.5	-0.26210699744664134	
2	COBALT	Leaf	--	--		
1	CONDURITOL-A	Leaf	--	--		
0	FAT	Leaf	3990	21000	-0.7066459488238135	
0	FIBER(CRUDE)	Leaf	--	80000	-1.2364591474881201	
0	FIBER(DIETARY)	Leaf	--	320000	-0.6554264493404216	
0	GURMARIN	Leaf	--	--		
0	GYMNEMAGENIN	Plant	--	--		
0	GYMNEMASAPONIN-I	Leaf	--	60		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GYMNEMASAPONIN-II	Leaf	25	27		
0	GYMNEMASAPONIN-III	Leaf	--	10		
0	GYMNEMASAPONIN-IV	Leaf	12	17		
0	GYMNEMASAPONIN-V	Leaf	133	160		
0	GYMNEMASIDE-I	Leaf	--	20		
0	GYMNEMASIDE-II	Leaf	--	23		
0	GYMNEMASIDE-III	Leaf	--	13		
0	GYMNEMASIDE-IV	Leaf	--	10		
0	GYMNEMASIDE-V	Leaf	--	133		
0	GYMNEMASIDE-VI	Leaf	--	10		
0	GYMNEMASIDE-VII	Leaf	--	13		
0	GYMNEMASIN-A	Leaf	--	83		
0	GYMNEMASIN-B	Leaf	--	57		
0	GYMNEMASIN-C	Leaf	--	73		
0	GYMNEMASIN-D	Leaf	--	48		
5	GYMNEMIC-ACID	Plant	--	--		
5	GYMNEMIC-ACID	Leaf	--	--		
5	GYMNEMIC-ACID	Seed	--	2500		
3	GYMNEMIC-ACID-A	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	GYMNEMIC-ACID-B	Leaf	--	--		
0	GYMNEMIC-ACID-C	Leaf	--	--		
0	GYMNEMIC-ACID-D	Leaf	--	--		
0	GYMNEMIC-ACID-I	Leaf	67	120		
0	GYMNEMIC-ACID-II	Leaf	86	160		
0	GYMNEMIC-ACID-III	Leaf	27	91		
0	GYMNEMIC-ACID-IV	Leaf	47	73		
0	GYMNEMIC-ACID-IX	Leaf	21	28		
0	GYMNEMIC-ACID-V	Leaf	18	53		
0	GYMNEMIC-ACID-VI	Leaf	--	10		
0	GYMNEMIC-ACID-VII	Leaf	60	333		
0	GYMNEMIC-ACID-VIII	Leaf	23	32		
0	GYMNEMIC-ACID-W	Leaf	--	--		
0	GYMNEMIC-ACID-X	Leaf	--	5		
0	GYMNEMIC-ACID-XI	Leaf	--	30		
0	GYMNEMIC-ACID-XII	Leaf	--	8		
0	GYMNEMIC-ACID-XIII	Leaf	--	13		
0	GYMNEMIC-ACID-XIV	Leaf	--	5		
0	GYMNEMIC-ACID-XV	Leaf	--	5		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GYMNEMIC-ACID-XVI	Leaf	--	5		
0	GYMNEMIC-ACID-XVII	Leaf	--	5		
0	GYMNEMIC-ACID-XVIII	Leaf	--	8		
0	GYMNEMIC-ACID-Y	Leaf	--	--		
0	GYMNEMIC-ACID-Z	Leaf	--	--		
0	GYMNEMOSIDE-A	Leaf	--	83		
0	GYMNEMOSIDE-B	Leaf	--	46		
0	GYNOSAPONIN-TN-2	Leaf	--	--		
0	GYPENOSIDE-II	Leaf	--	--		
0	GYPENOSIDE-LV	Leaf	--	10		
0	GYPENOSIDE-LXII	Leaf	--	27		
0	GYPENOSIDE-LXIII	Leaf	--	33		
0	GYPENOSIDE-LXXIV	Leaf	--	--		
0	GYPENOSIDE-V	Leaf	--	--		
0	GYPENOSIDE-XLIII	Leaf	--	--		
0	GYPENOSIDE-XLV	Leaf	--	--		
0	GYPENOSIDE-XLVII	Leaf	--	--		
0	GYPENOSIDE-XXVIII	Leaf	--	30		
0	GYPENOSIDE-XXXVII	Leaf	--	60		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	IRON	Leaf	9	49	-0.7963760020443548	
65	MAGNESIUM	Leaf	201	1060	-1.1837881089772462	
14	MANGANESE	Leaf	0.4	2	-0.45656096751768344	
39	NIACIN	Leaf	4.2	22	-0.9183603469143609	
4	PHOSPHORUS	Leaf	561	2950	-0.37192131095030045	
14	POTASSIUM	Leaf	2470	13000	-0.7658756615242699	
0	PROTEIN	Leaf	20900	110000	-1.0160027728932894	
15	RIBOFLAVIN	Leaf	--	--		
60	SELENIUM	Leaf	0.4	2.3	-0.20582736095134732	
4	SILICON	Leaf	0.6	3	-0.4042688979345114	
1	SODIUM	Leaf	266	1400	-0.3986352697823829	
0	THIAMINE	Leaf	--	--		
1	TRIMETHYLAMINE	Leaf	--	--		Willaman, J. J., Li, H. L. 1970. Alkaloid-Bearing Plants and their Contained Alkaloids. 1957-1968. <i>Lloydia</i> 33S: 1-286.
0	WATER	Leaf	--	810000	0.011785571821618442	
77	ZINC	Leaf	--	--		